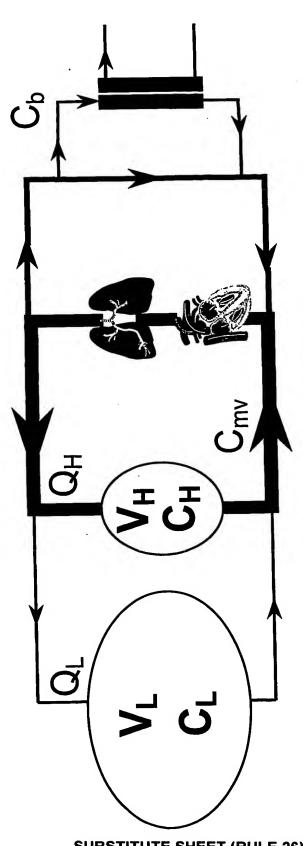


$$C_{eq} = \frac{V_H}{V_H} + \frac{V_H$$

 $Q_{H} \cdot C_{H} + Q_{L} \cdot C_{I}$ 

Fig. 9

## Regional blood flow model



$$C_{eq} = \frac{V_{H} \cdot C_{H} + V_{L} \cdot C_{L}}{V_{H} + V_{L}}$$

$$Q_{H} \cdot C_{H} + Q_{L} \cdot C_{L}$$

$$Q_{H} + Q_{L}$$

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 $\sim C_{eq} \sim C_{mv} \sim C_H \sim C_b$ 

Fig. 10

## Definitions of clearance

Dialyzer clearance

(In vivo)

Effective clearance

Keff = removal rate / Cmv

= removal rate / C<sub>b</sub>

(OnLine Clearance, Diascan)

Whole body clearance Kwb = removal rate / Ceq (Equilibrated clearance)

K > Keff > Kwb

Fig. 11

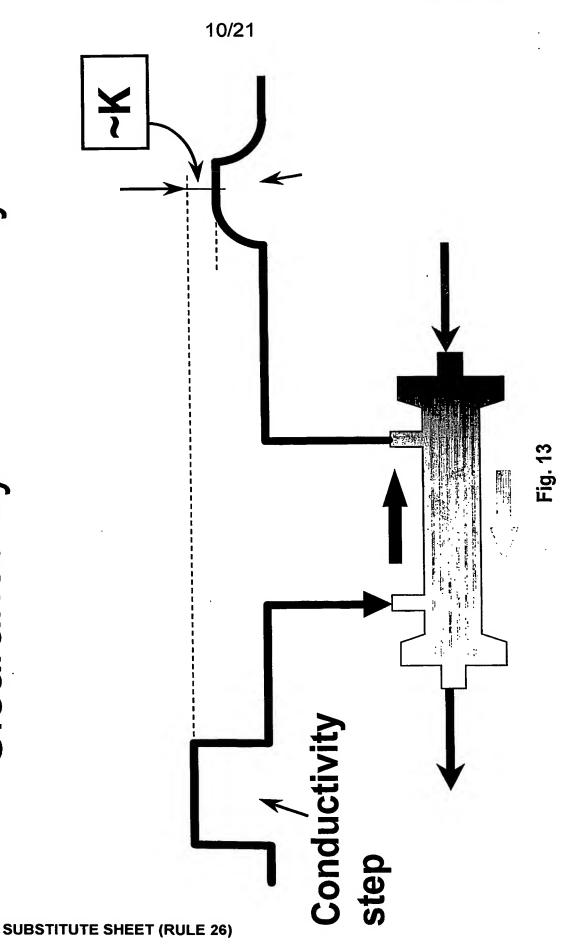
## Measurement of effective clearance

Through the effect of the dialyzer on a step in the inlet conductivity (Diascan)

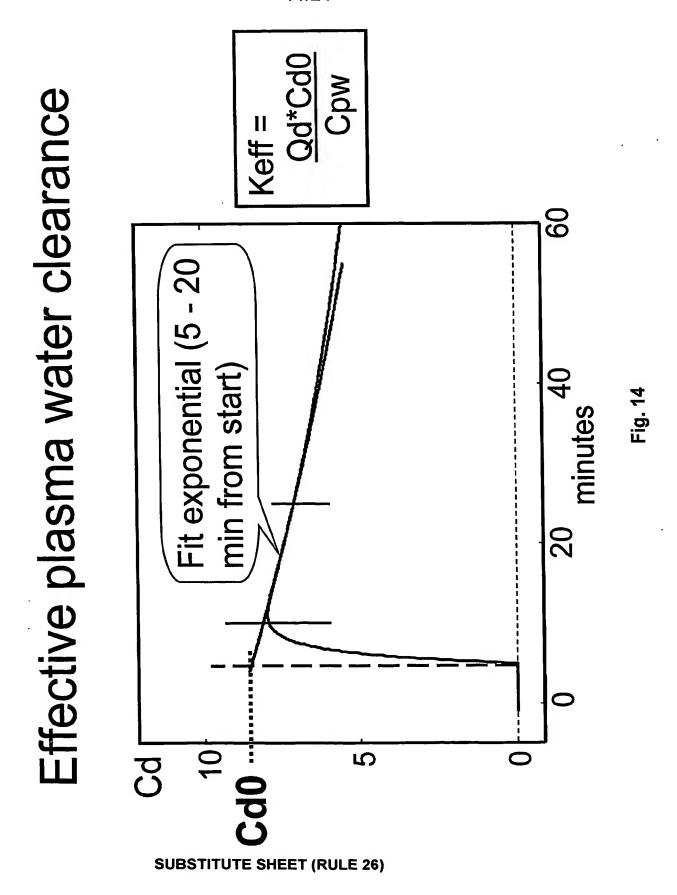
From the dialysate flow rate and the initial dialysate concentration together with the predialysis plasma water concentration

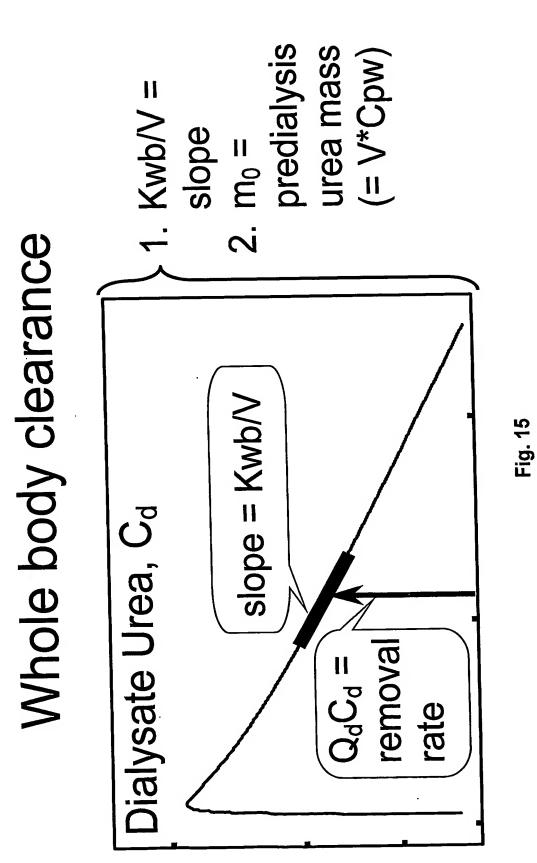
Fig. 12

## Clearance by conductivity





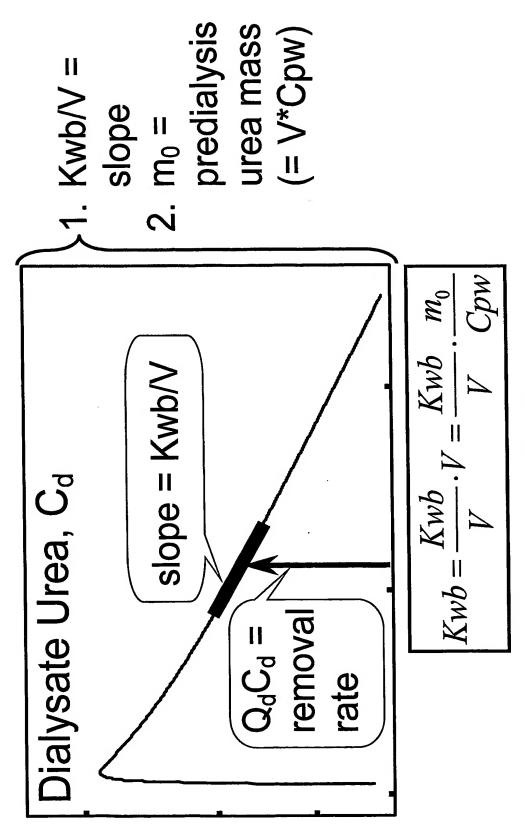




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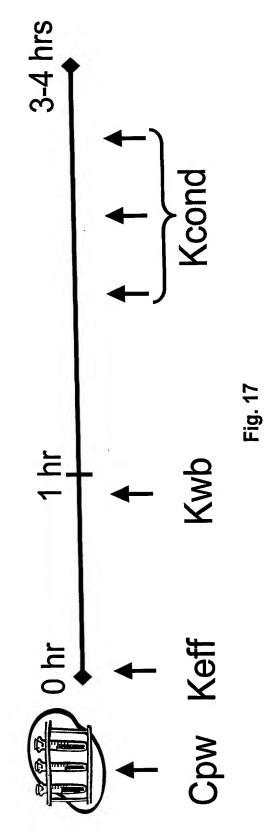
Fig. 16

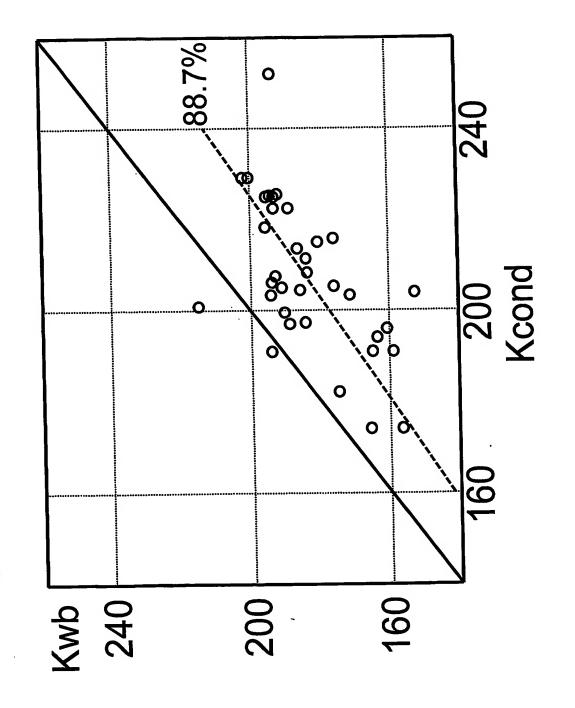




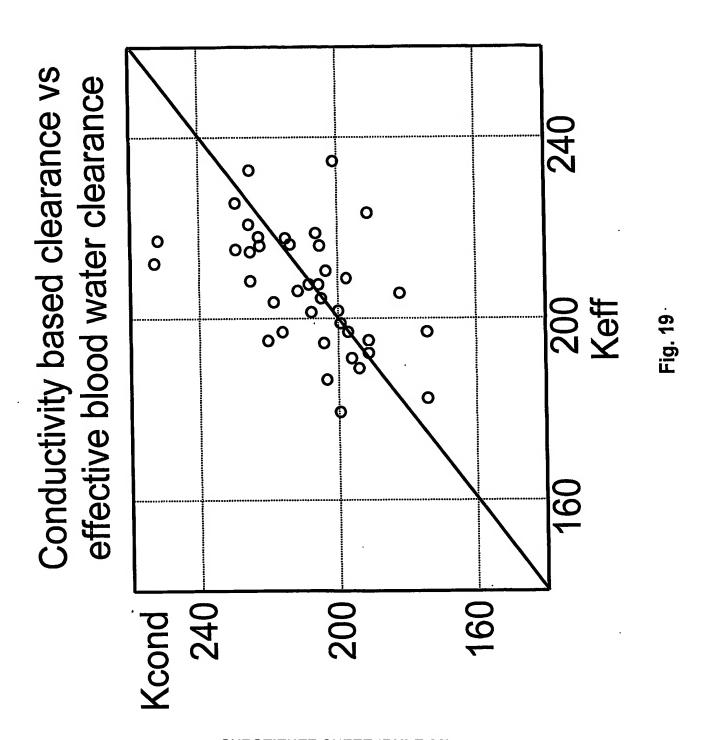


Integra (42) for Kcond and Keff
C3 (38) for Keff

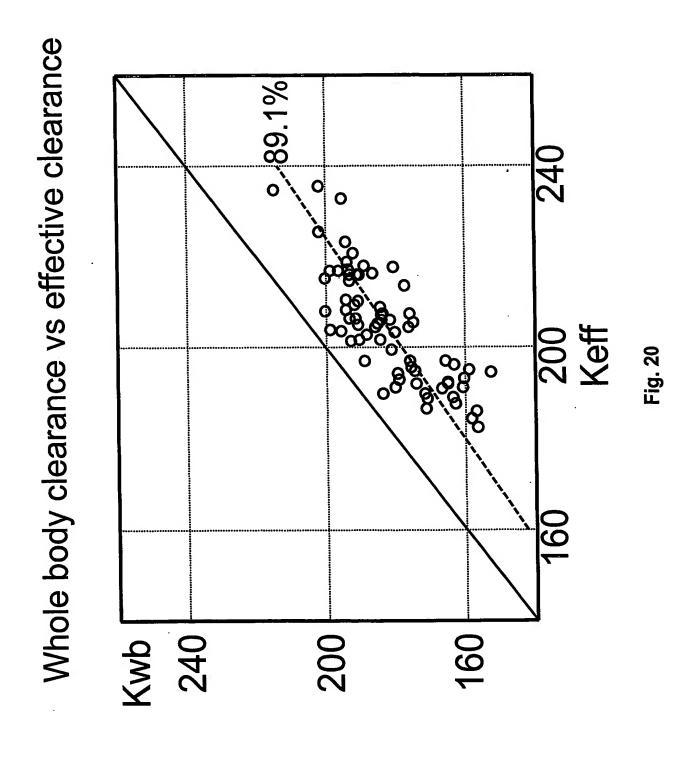




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